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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HELLINGA et al.

Appln. No. 10/686,529

Filed: October 16, 2003

FOR: BIOSENSOR

Confirmation No. 4003

Atty. Ref.: 1579-863

T.C. / Art Unit: 1645

Examiner: R.A. Zeman

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INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(c)

September 6, 2006

U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing a U.S. patent document and the enclosed non-U.S. patent documents. Also attached is a Supplementary Partial European Search Report dated August 10, 2006 for related European Appln. No. 03809022.1. In lieu of certification, the fee required under 37 CFR § 1.97(c) is attached.

This Information Disclosure Statement (IDS) is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under 37 CFR § 1.97(f), to enable Applicants to comply fully. In particular, if any of the listed documents are missing or incomplete, please contact the undersigned who will provide another copy.

As provided by 37 CFR §§ 1.97(g) and (h), no inference should be made that this information and the listed references are prior art merely because they have been submitted for consideration. Furthermore, no representation is being made that a search

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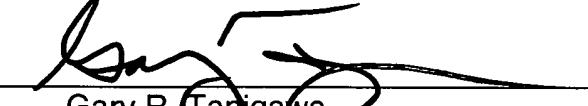
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has been conducted or that this statement encompasses all possible material information.

Consideration of the foregoing and enclosures, as well as the return of a copy of the Form PTO-1449 with the Examiner's initials per M.P.E.P. § 609, are earnestly solicited. The Examiner is invited to contact the undersigned if any further information is needed.

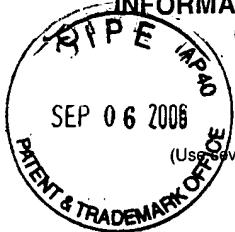
Respectfully submitted,

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INFORMATION DISCLOSURE

CITATION

APPLN. NO.

ATTY. DKT. NO.

10/686,529

1579-863

APPLICANT

HELLINGA et al.

FILING DATE

GROUP

October 16, 2003

1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	FILING DATE		
				CLASS	SUBCLASS	IF APPROPRIATE
AR	6,277,627	08/2001	Hellinga			
BR						
CR						

FOREIGN PATENT DOCUMENTS

TRANSLATION

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
DR						
ER						
FR						
GR						
HR						
IR						
JR						
KR						
LR						
MR						
NR						
OR						
PR						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

QR	Hellinga et al. "Construction of new ligand binding sites in proteins of known structure" J. Mol. Biol. 222:763-785 (1991)
RR	Looger et al. "Computational design of receptor and sensor proteins with novel functions" Nature 423:185-190 (2003)
SR	Marvin et al. "The rational design of allosteric interactions in a monomeric protein and its applications to the construction of biosensors" Proc. Natl. Acad. Sci. USA 94:4366-4371 (1997)
TR	Marvin et al. "Conversion of a maltose receptor into a zinc biosensor by computational design" Proc. Natl. Acad. Sci. USA 98:4955-4960 (2001)
UR	Marvin et al. "Engineering biosensors by introducing fluorescent allosteric signal transducers: Construction of a novel glucose sensor" J. Am. Chem. Soc. 120:7-11 (1998)
VR	Salins et al. "A novel reagentless sensing system for measuring glucose based on the galactose/glucose-binding protein" Analytical Biochem. 294:19-26 (2001)
WR	Tolosa et al. "Glucose sensor for low-cost lifetime-based sensing using a genetically engineered protein" Analytical Biochem. 267:114-120 (1999)
ZR	Supplementary Partial European Search Report for related Application No. 03809022 (2006)
AAR	
BBR	

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.